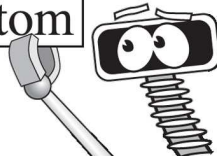


the _____ is

atom



CLOZE-ING IN ON SCIENCE!

5.6B: Circuits and Electricity
Force, Motion, and Energy

Name: _____ Date: _____

Key Concept 1: Electricity flows in a closed path called a circuit and stops when the circuit is broken.

Passage

Electricity is a form of _____ produced when electrons move along a path. These electrons must travel along a _____, or complete circuit through a special material that _____ electricity, allowing it to flow. If we cause a gap to form in this pathway the electricity will _____, which prevents the _____ or movement of current.

Think about all the devices at home and at school that use _____.

When we turn the lights on and off, for example, using a _____, we cause the formation of a complete and incomplete circuit!

Word Bank

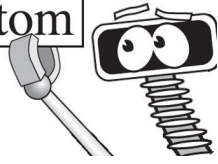
switch flow conducts path stop electricity energy

Illustration



the _____ is

atom



CLOZE-ING IN ON SCIENCE!

5.6B: Circuits and Electricity
Force, Motion, and Energy

Key Concept 2: We can demonstrate that electricity can produce light, heat, and sound when flowing through a circuit

Passage

There are plenty of items we depend on and enjoy having that use electricity. This electricity is _____, or transformed, into other forms of energy in these devices. The television transforms electricity into _____ energy since we can see the picture, and _____ energy since we can hear it. When the toaster is turned on, it produces _____ energy since it toasts our bread. All of these things only happen when the circuit is complete, which means electricity can _____.

Word Bank

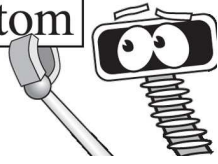
light flow sound changed thermal/heat

Illustration



the _____ is

atom



CLOZE-ING IN ON SCIENCE!

5.6B: Circuits and Electricity
Force, Motion, and Energy

Key Concept 3: Many everyday devices use electricity to produce light, heat, and sound.

Passage

Some devices, such as our doorbell, mainly produce _____ energy when they are operated. Other devices like lamps use electricity to produce _____ energy since we can see the results in a dark room. Are some of your favorite devices dependent on the use of electricity? If so, they are likely transforming electrical energy into other forms, such as _____, _____, or _____. Which is the most useful for you? Do you prefer one form of energy over another? Think about the forms of energy you use each and every day.

Word Bank

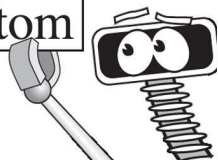
light sound light heat sound

Illustration



the _____ is

atom



CLOZE-ING IN ON SCIENCE!

5.6B: Circuits and Electricity
Force, Motion, and Energy

Answer Key

Electricity is a form of **energy** produced when electrons move along a path. These electrons must travel along a **path**, or complete circuit through a special material that **conducts** electricity, allowing it to flow. If we cause a gap to form in this pathway the electricity will **stop**, which prevents the **flow** or movement of current. Think about all the devices at home and at school that use **electricity**. When we turn the lights on and off, for example, using a **switch**, we cause the formation of a complete and incomplete circuit!

There are plenty of items we depend on and enjoy having that use electricity. This electricity is **changed**, or transformed, into other forms of energy in these devices. The television transforms electricity into **light** energy since we can see the picture, and **sound** energy since we can hear it. When the toaster is turned on, it produces **thermal/heat** energy since it toasts our bread. All of these things only happen when the circuit is complete, which means electricity can **flow**.

Some devices, such as our doorbell, mainly produce **sound** energy when they are operated. Other devices like lamps use electricity to produce **light** energy since we can see the results in a dark room. Are some of your favorite devices dependent on the use of electricity? If so, they are likely transforming electrical energy into other forms, such as **heat, sound, or light**. Which is the most useful for you? Do you prefer one form of energy over another? Think about the forms of energy you use each and every day.

